

Supplementary Information.

Deployment of a dense seismic network on La Palma
island (2023-2024) for high-resolution imaging of the
velocity structure using passive seismic methods

Javier Tortosa ^{1,2*}, Javier Almendros ^{1,2}, Enrique Carmona ²,
José Benito Martín², Janire Prudencio ^{1,2},
Joan Antoni Parera-Portell ^{1,2}, Rafael Abella ³,
Carlos Araque-Pérez ^{1,2}, José Morales ^{1,2}, Pablo Rey-Devesa
^{1,2}, Benjamin Heit ⁴, Xiaohui Yuan ⁴,
Alfonso Ontiveros-Ortega ⁵, Iván Melchor ⁶,
Cinthia Guerrero-Reinoso ^{1,2}, David Carrero²,
Inmaculada Serrano ^{1,2}, Gerardo Alguacil ^{1,2},
Guillermo Cortés ^{1,2}, Mercedes Feriche ², Antonio Martos²,
Javier Moreno², Miguel Ángel Dengra ²

^{1*}Departamento de Física Teórica y del Cosmos, University of Granada,
Granada, Spain.

²Instituto Andaluz de Geofísica, University of Granada, Granada, Spain.

³Instituto Geográfico Nacional, Madrid, Spain.

⁴GFZ German Research Centre for Geosciences Potsdam, Potsdam,
Germany.

⁵University of Jaén, Jaén, Spain.

⁶Universidad Nacional de Río Negro - CONICET, General Roca,
Argentina.

*Corresponding author(s). E-mail(s): javitsg@ugr.es;

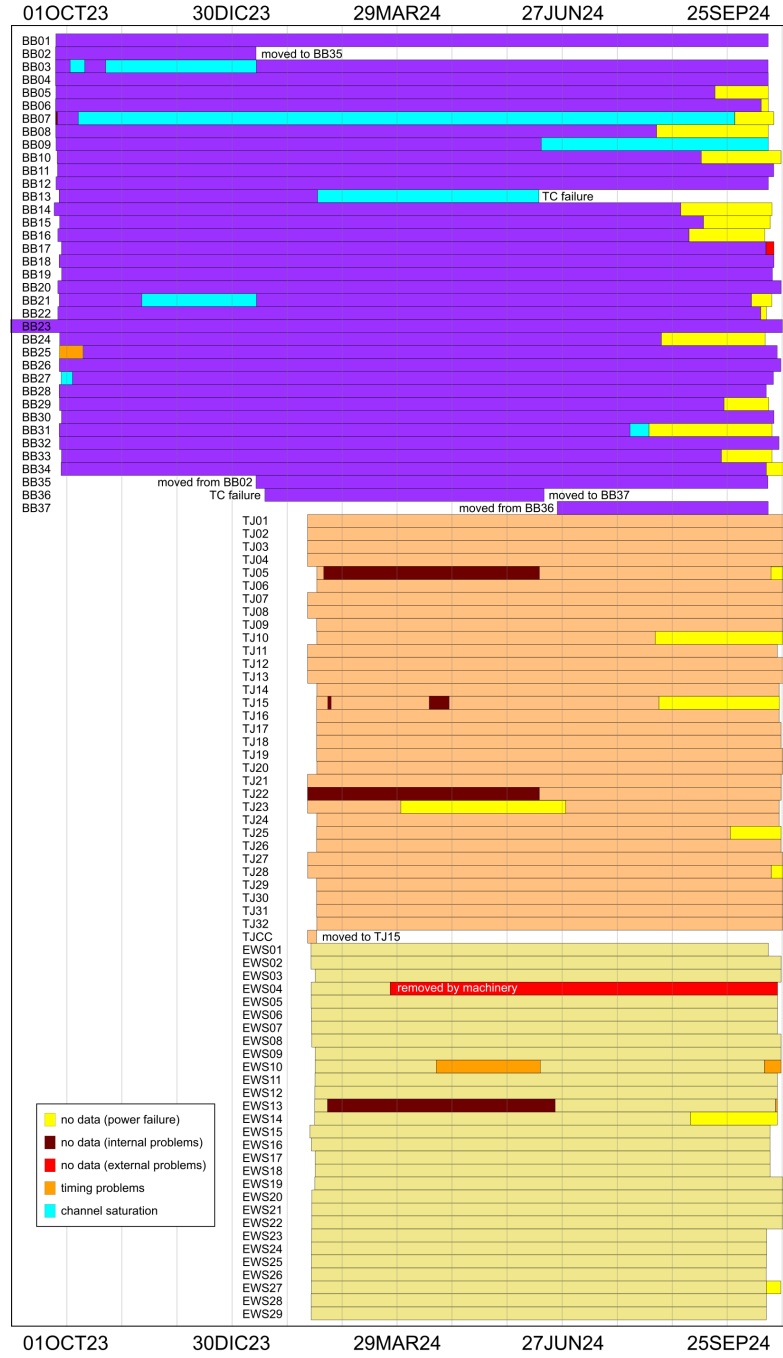


Fig. S1: Operation periods of the stations of the IMAGMASEIS seismic network. Different colors are used for the subnetworks BB (purple), TJ (light orange), WS (khaki), WN (light red), NS (light/dark green), CV (lavender), TN (pink). Additional colours indicate periods when different issues affected the station performance (see legend)

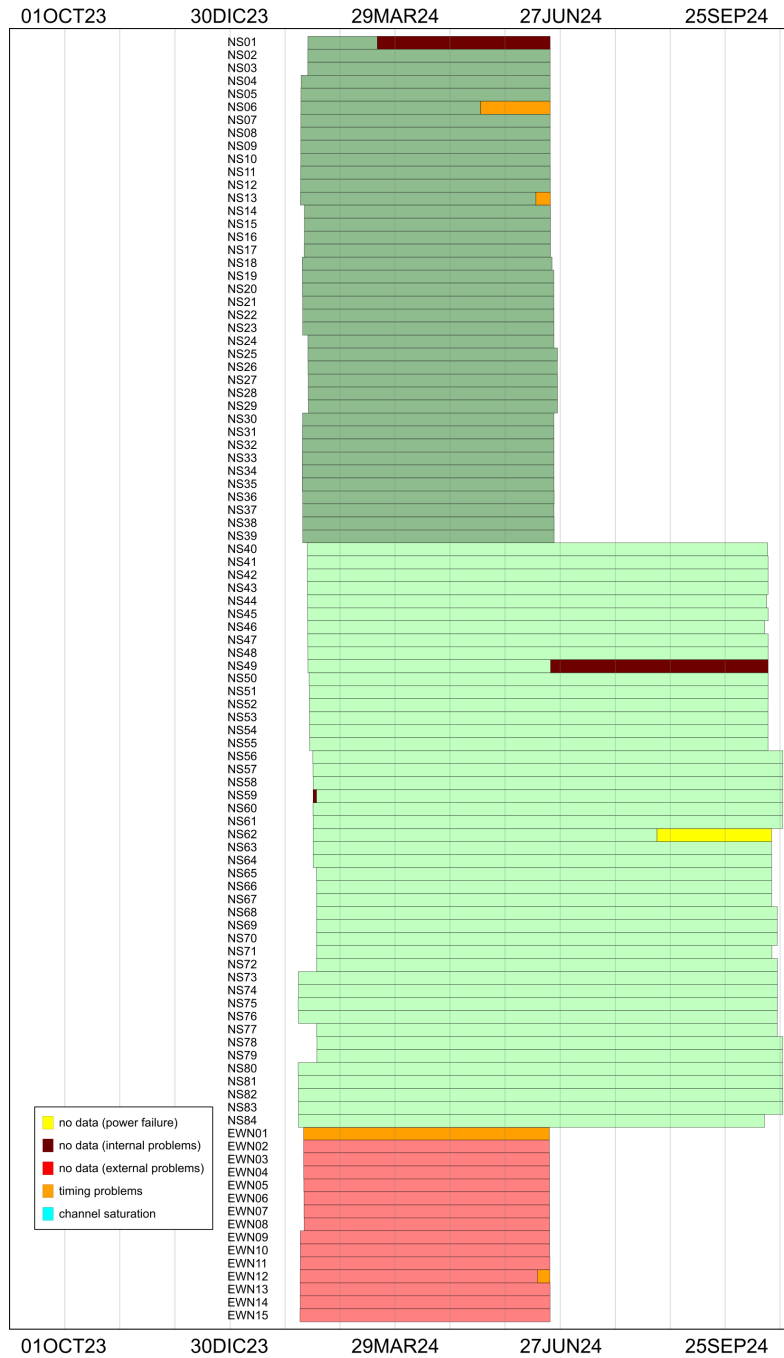


Fig. S2: Continued from Figure S1

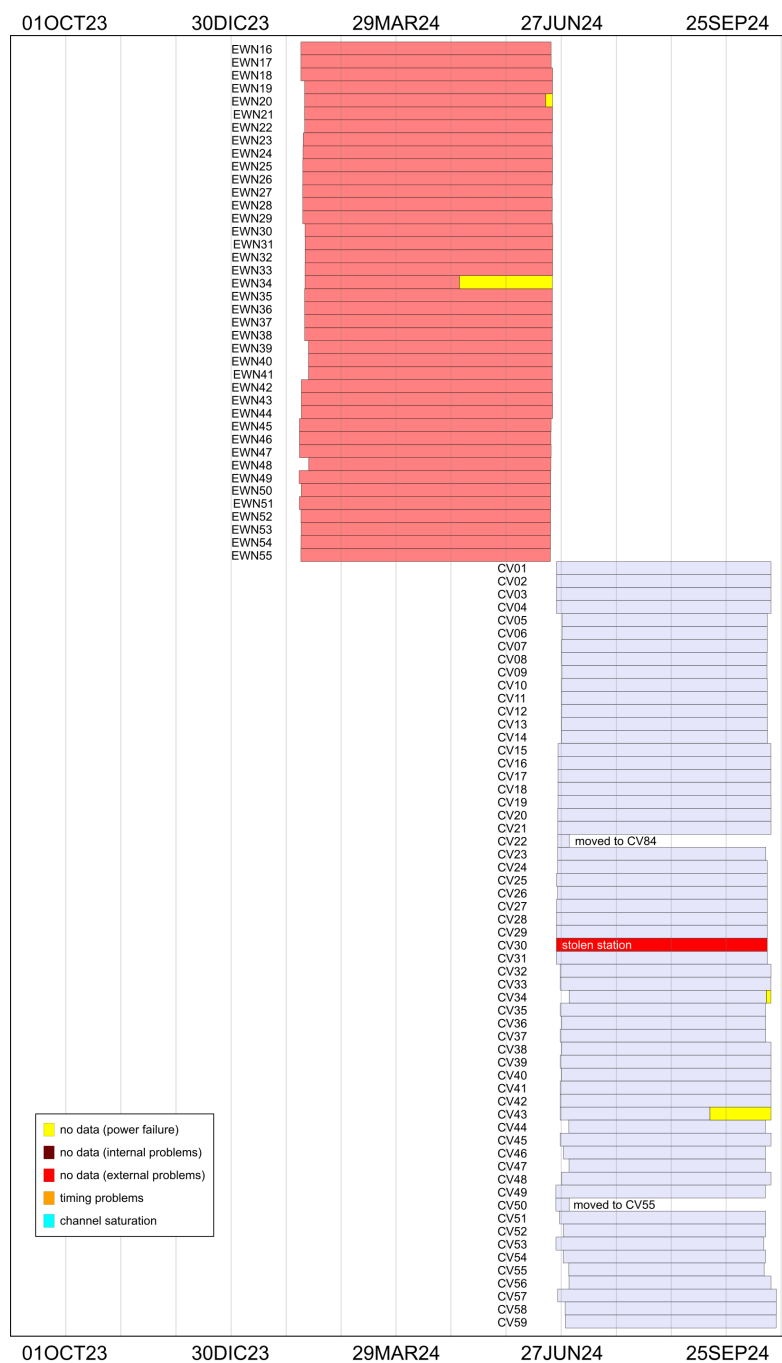


Fig. S3: Continued from Figure S1

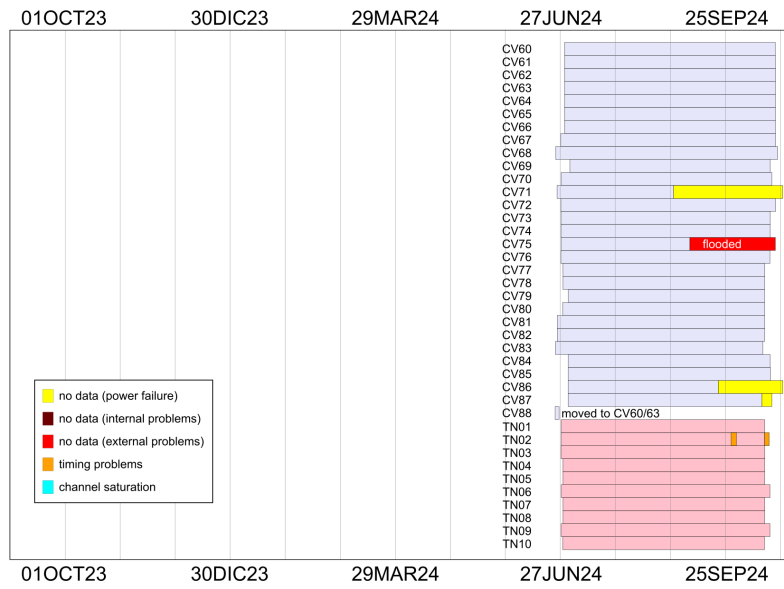


Fig. S4: Continued from Figure S1

Station	Lat	Lon	Ele (m)	Datalogger	Seismometer	SPS	Gain	Date-ini	Date-fin
BB01	28.83254	-17.87622	326	CUBE	TC	100	8	2023-09-25	2024-10-17
BB02	28.82380	-17.80853	620	CUBE	TC	100	8	2023-09-25	2024-01-12
BB03	28.79202	-17.90362	1185	CUBE	TC	100	8	2023-09-25	2024-10-17
BB04	28.79097	-17.80146	509	CUBE	TC	100	8	2023-09-25	2024-10-17
BB05	28.77528	-17.76813	373	CUBE	TC	100	8	2023-09-25	2024-09-18
BB06	28.76522	-17.93604	1258	CUBE	TC	100	8	2023-09-25	2024-10-13
BB07	28.76280	-17.85945	2214	CUBE	TC	100	8	2023-09-26	2024-09-29
BB08	28.73554	-17.97148	708	CUBE	TC	100	8	2023-09-25	2024-08-18
BB09	28.72138	-17.92711	1170	CUBE	TC	100	8	2023-09-25	2024-10-17
BB10	28.71941	-17.87671	754	CUBE	TC	100	8	2023-09-26	2024-09-11
BB11	28.74142	-17.81788	1758	CUBE	TC	100	8	2023-09-26	2024-10-20
BB12	28.73518	-17.72972	69	CUBE	TC	100	8	2023-09-25	2024-10-17
BB13	28.69311	-17.95360	540	CUBE	TC	100	8	2023-09-27	2024-06-14
BB14	28.66606	-17.89424	592	CUBE	TC	100	8	2023-09-24	2024-08-31
BB15	28.67154	-17.82784	1522	CUBE	TC	100	8	2023-09-27	2024-09-12
BB16	28.69444	-17.78340	279	CUBE	TC	100	8	2023-09-26	2024-09-04
BB17	28.63928	-17.93211	119	CENTAUR	PH	100	1	2023-09-28	2024-10-16
BB18	28.66043	-17.80693	382	CUBE	TC	100	8	2023-09-27	2024-10-20
BB19	28.64887	-17.76408	115	CUBE	TC	100	8	2023-09-28	2024-10-19
BB20	28.62975	-17.89785	398	CUBE	TC	100	8	2023-09-26	2024-10-24
BB21	28.62718	-17.82164	1193	CUBE	TC	100	8	2023-09-27	2024-10-08
BB22	28.58323	-17.90742	20	CUBE	TC	100	8	2023-09-26	2024-10-13
BB23	28.60110	-17.88545	555	CENTAUR	PH	100	2	2023-06-23	2024-10-25
BB24	28.60091	-17.85365	1322	CUBE	TC	100	8	2023-09-27	2024-08-20
BB25	28.60449	-17.79549	890	CUBE	TC	100	8	2023-09-27	2024-10-22
BB26	28.60626	-17.76260	192	CUBE	TC	100	8	2023-09-27	2024-10-24
BB27	28.56993	-17.82349	1515	CUBE	PH	100	8	2023-09-28	2024-10-20
BB28	28.55421	-17.86862	733	CUBE	TC	100	8	2023-09-27	2024-10-16
BB29	28.56293	-17.77409	183	CUBE	TC	100	8	2023-09-27	2024-09-23
BB30	28.53430	-17.82999	1182	CUBE	PH	100	8	2023-09-28	2024-10-20
BB31	28.50823	-17.86661	304	CUBE	TC	100	8	2023-09-27	2024-08-13
BB32	28.51135	-17.81869	844	CUBE	TC	100	8	2023-09-27	2024-10-23
BB33	28.45601	-17.84169	22	CUBE	TC	100	8	2023-09-28	2024-09-22
BB34	28.48646	-17.84907	606	CENTAUR	PH	100	1	2023-09-28	2024-10-16
BB35	28.83851	-17.77853	31	CUBE	TC	100	8	2024-01-12	2024-10-17
BB36	28.46078	-17.85024	38	CUBE	TC	100	8	2024-01-17	2024-06-17
BB37	28.84935	-17.91423	291	CUBE	TC	100	8	2024-06-24	2024-10-17
CV01	28.45983	-17.83905	45	CUBE	PE6	100	16	2024-06-24	2024-10-19
CV02	28.46045	-17.83247	9	CUBE	PE6	100	16	2024-06-24	2024-10-19
CV03	28.46674	-17.83177	52	CUBE	PE6	100	16	2024-06-24	2024-10-19
CV04	28.47237	-17.83202	180	CUBE	PE6	100	16	2024-06-24	2024-10-19
CV05	28.47715	-17.82621	75	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV06	28.48171	-17.82664	128	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV07	28.49176	-17.82522	342	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV08	28.49830	-17.83331	635	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV09	28.48880	-17.83154	435	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV10	28.49724	-17.81928	251	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV11	28.50008	-17.81258	79	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV12	28.50419	-17.81027	47	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV13	28.51434	-17.81364	469	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV14	28.52347	-17.81061	546	CUBE	PE6	100	16	2024-06-27	2024-10-17
CV15	28.51998	-17.79838	33	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV16	28.52544	-17.79531	13	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV17	28.53033	-17.79150	3	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV18	28.53861	-17.79649	301	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV19	28.54488	-17.79532	340	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV20	28.54963	-17.79130	348	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV21	28.55388	-17.78420	341	CUBE	PE6	100	16	2024-06-25	2024-10-19
CV22	28.56168	-17.77355	165	CUBE	PE6	100	16	2024-07-01	2024-07-01
CV23	28.56716	-17.77147	184	CUBE	PE6	100	16	2024-06-25	2024-10-16
CV24	28.56726	-17.76430	7	CUBE	PE6	100	16	2024-06-25	2024-10-17
CV25	28.57238	-17.76081	13	CUBE	PE6	100	16	2024-06-24	2024-10-17
CV26	28.57685	-17.76186	7	CUBE	PE6	100	16	2024-06-25	2024-10-17
CV27	28.58166	-17.76173	44	CUBE	PE6	100	16	2024-06-24	2024-10-17
CV28	28.58663	-17.75890	46	CUBE	PE6	100	16	2024-06-24	2024-10-17
CV29	28.59101	-17.75886	107	CUBE	PE6	100	16	2024-06-24	2024-10-17
CV30	28.59396	-17.75705	17	CUBE	PE6	100	16	-	-
CV31	28.60049	-17.75640	49	CUBE	PE6	100	16	2024-06-24	2024-10-17
CV32	28.45790	-17.84701	20	CUBE	PE6	100	16	2024-06-26	2024-10-19
CV33	28.46546	-17.85907	18	CUBE	PE6	100	16	2024-06-26	2024-10-19
CV34	28.64539	-17.80552	659	CUBE	PE6	100	16	2024-07-01	2024-10-16
CV35	28.47185	-17.86363	34	CUBE	PE6	100	16	2024-06-26	2024-10-16
CV36	28.47500	-17.86778	19	CUBE	PE6	100	16	2024-06-27	2024-10-16
CV37	28.48054	-17.86608	35	CUBE	PE6	100	16	2024-06-26	2024-10-16
CV38	28.48493	-17.86837	31	CUBE	PE6	100	16	2024-06-27	2024-10-19
CV39	28.49093	-17.87067	37	CUBE	PE6	100	16	2024-06-26	2024-10-19
CV40	28.49603	-17.87396	20	CUBE	PE6	100	16	2024-06-27	2024-10-19
CV41	28.50462	-17.87567	34	CUBE	PE6	100	16	2024-06-26	2024-10-19
CV42	28.50941	-17.87285	94	CUBE	PE6	100	16	2024-06-26	2024-10-19
CV43	28.51973	-17.87441	63	CUBE	PE6	100	16	2024-06-26	2024-09-16
CV44	28.57610	-17.88790	390	CUBE	PE6	100	16	2024-07-01	2024-10-16
CV45	28.52756	-17.87788	27	CUBE	PE6	100	16	2024-06-26	2024-10-19
CV46	28.53423	-17.86780	690	CUBE	PE6	100	16	2024-06-28	2024-10-16
CV47	28.54594	-17.86817	743	CUBE	PE6	100	16	2024-07-01	2024-10-16
CV48	28.59351	-17.77334	349	CUBE	PE6	100	16	2024-06-27	2024-10-19
CV49	28.54951	-17.88455	12	CUBE	PE6	100	16	2024-06-24	2024-10-16
CV50	28.55211	-17.88608	42	CUBE	PE6	100	16	2024-07-01	2024-07-01
CV51	28.55857	-17.89341	26	CUBE	PE6	100	16	2024-06-26	2024-10-16
CV52	28.56491	-17.89640	29	CUBE	PE6	100	16	2024-06-28	2024-10-16

Continued in next page

Station	Lat	Lon	Ele (m)	Datalogger	Seismometer	SPS	Gain	Date-ini	Date-fin
CV53	28.57144	-17.89858	16	CUBE	PE6	100	16	2024-06-24	2024-10-15
CV54	28.57738	-17.90654	15	CUBE	PE6	100	16	2024-06-28	2024-10-16
CV55	28.59512	-17.91173	180	CUBE	PE6	100	16	2024-07-01	2024-10-15
CV56	28.62101	-17.79787	766	CUBE	PE6	100	16	2024-07-01	2024-10-19
CV57	28.61353	-17.84203	1428	CUBE	PE6	100	16	2024-06-25	2024-10-22
CV58	28.61795	-17.84623	1354	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV59	28.62222	-17.85107	1220	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV60	28.62523	-17.85647	1096	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV61	28.62853	-17.86218	987	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV62	28.63086	-17.86748	839	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV63	28.63119	-17.87466	729	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV64	28.63160	-17.88096	666	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV65	28.62586	-17.88231	580	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV66	28.62190	-17.85673	1147	CUBE	PE6	100	16	2024-06-29	2024-10-22
CV67	28.59407	-17.79394	885	CUBE	PE6	100	16	2024-06-27	2024-10-22
CV68	28.50878	-17.83054	849	CUBE	PE6	100	16	2024-06-24	2024-10-23
CV69	28.63242	-17.78214	552	CUBE	PE6	100	16	2024-07-02	2024-10-19
CV70	28.54747	-17.82503	1258	CUBE	PE6	100	16	2024-06-27	2024-10-20
CV71	28.59344	-17.82247	1487	CUBE	PE6	100	16	2024-06-25	2024-08-27
CV72	28.58393	-17.80112	975	CUBE	PE6	100	16	2024-06-27	2024-10-22
CV73	28.58366	-17.78112	538	CUBE	PE6	100	16	2024-06-27	2024-10-19
CV74	28.57255	-17.78735	643	CUBE	PE6	100	16	2024-06-27	2024-10-19
CV75	28.57119	-17.80508	974	CUBE	PE6	100	16	2024-06-27	2024-09-05
CV76	28.49517	-17.86071	345	CUBE	PE6	100	16	2024-06-27	2024-10-19
CV77	28.52252	-17.85673	902	CUBE	PE6	100	16	2024-06-28	2024-10-16
CV78	28.54310	-17.85266	1226	CUBE	PE6	100	16	2024-06-28	2024-10-16
CV79	28.56229	-17.87248	727	CUBE	PE6	100	16	2024-07-01	2024-10-16
CV80	28.58875	-17.87803	672	CUBE	PE6	100	16	2024-06-28	2024-10-16
CV81	28.56347	-17.85372	1305	CUBE	PE6	100	16	2024-06-25	2024-10-16
CV82	28.58238	-17.85680	1301	CUBE	PE6	100	16	2024-06-25	2024-10-16
CV83	28.58959	-17.89959	310	CUBE	PE6	100	16	2024-06-24	2024-10-15
CV84	28.62358	-17.76673	187	CUBE	PE6	100	16	2024-07-01	2024-10-19
CV85	28.62362	-17.80797	884	CUBE	PE6	100	16	2024-07-01	2024-10-19
CV86	28.58083	-17.81438	1296	CUBE	PE6	100	16	2024-07-01	2024-09-21
CV87	28.56002	-17.81914	1252	CUBE	PE6	100	16	2024-07-01	2024-10-14
CV88	28.55934	-17.89046	36	CUBE	PE6	100	16	2024-06-26	2024-06-26
NS01	28.83253	-17.83700	266	CUBE	PE6	100	16	2024-02-10	2024-03-19
NS02	28.82784	-17.83663	327	CUBE	PE6	100	16	2024-02-10	2024-06-21
NS03	28.82444	-17.83668	412	CUBE	PE6	100	16	2024-02-10	2024-06-21
NS04	28.82017	-17.83780	560	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS05	28.81533	-17.83673	660	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS06	28.81070	-17.83597	828	CUBE	PE6	100	16	2024-02-06	2024-05-14
NS07	28.80645	-17.83638	985	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS08	28.80183	-17.83720	1062	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS09	28.79787	-17.83972	1215	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS10	28.79317	-17.83980	1305	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS11	28.78868	-17.84012	1428	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS12	28.78455	-17.84272	1590	CUBE	PE6	100	16	2024-02-06	2024-06-21
NS13	28.78098	-17.84613	1780	CUBE	PE6	100	16	2024-02-06	2024-06-13
NS14	28.77759	-17.84830	1831	CUBE	PE6	100	16	2024-02-08	2024-06-21
NS15	28.77413	-17.85022	1946	CUBE	PE6	100	16	2024-02-08	2024-06-21
NS16	28.76890	-17.85246	2083	CUBE	PE6	100	16	2024-02-08	2024-06-21
NS17	28.76568	-17.85516	2167	CUBE	PE6	100	16	2024-02-08	2024-06-21
NS18	28.74560	-17.83831	2281	CUBE	PE6	100	16	2024-02-07	2024-06-22
NS19	28.74190	-17.83533	2200	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS20	28.73715	-17.83520	2182	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS21	28.73275	-17.83472	2208	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS22	28.72816	-17.83541	2147	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS23	28.72464	-17.83803	2109	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS24	28.71985	-17.83758	2068	CUBE	PE6	100	16	2024-02-10	2024-06-23
NS25	28.71592	-17.83997	1970	CUBE	PE6	100	16	2024-02-10	2024-06-25
NS26	28.71208	-17.84288	1892	CUBE	PE6	100	16	2024-02-10	2024-06-25
NS27	28.70798	-17.84398	1995	CUBE	PE6	100	16	2024-02-10	2024-06-25
NS28	28.70339	-17.84419	1977	CUBE	PE6	100	16	2024-02-10	2024-06-25
NS29	28.69972	-17.84132	2026	CUBE	PE6	100	16	2024-02-10	2024-06-25
NS30	28.69660	-17.83772	2005	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS31	28.69245	-17.83578	1928	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS32	28.68833	-17.83368	1825	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS33	28.68425	-17.83122	1772	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS34	28.67995	-17.82977	1725	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS35	28.67565	-17.82977	1603	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS36	28.66803	-17.82675	1389	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS37	28.66422	-17.82607	1415	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS38	28.65975	-17.82508	1378	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS39	28.65542	-17.82510	1329	CUBE	PE6	100	16	2024-02-07	2024-06-23
NS40	28.65108	-17.82491	1321	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS41	28.64635	-17.82529	1378	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS42	28.64192	-17.82455	1372	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS43	28.63749	-17.82547	1357	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS44	28.63305	-17.82632	1386	CUBE	PE6	100	16	2024-02-10	2024-10-17
NS45	28.62882	-17.82819	1414	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS46	28.62458	-17.83042	1436	CUBE	PE6	100	16	2024-02-10	2024-10-16
NS47	28.62048	-17.83239	1465	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS48	28.61622	-17.83399	1488	CUBE	PE6	100	16	2024-02-10	2024-10-18
NS49	28.61247	-17.83680	1507	CUBE	PE6	100	16	2024-02-10	2024-06-22
NS50	28.60951	-17.84038	1581	CUBE	PE6	100	16	2024-02-11	2024-10-18
NS51	28.60607	-17.84394	1701	CUBE	PE6	100	16	2024-02-11	2024-10-18
NS52	28.60125	-17.84505	1675	CUBE	PE6	100	16	2024-02-11	2024-10-18
NS53	28.59717	-17.84295	1714	CUBE	PE6	100	16	2024-02-11	2024-10-18

Continued in next page

Station	Lat	Lon	Ele (m)	Datalogger	Seismometer	SPS	Gain	Date-ini	Date-fin
NS54	28.59311	-17.84047	1742	CUBE	PE6	100	16	2024-02-11	2024-10-18
NS55	28.58869	-17.83961	1770	CUBE	PE6	100	16	2024-02-11	2024-10-18
NS56	28.58460	-17.83762	1895	CUBE	PE6	100	16	2024-02-13	2024-10-26
NS57	28.58023	-17.83685	1915	CUBE	PE6	100	16	2024-02-13	2024-10-26
NS58	28.57652	-17.83946	1829	CUBE	PE6	100	16	2024-02-13	2024-10-26
NS59	28.57183	-17.83891	1866	CUBE	PE6	100	16	2024-02-15	2024-10-26
NS60	28.56710	-17.83862	1908	CUBE	PE6	100	16	2024-02-13	2024-10-26
NS61	28.56326	-17.83662	1829	CUBE	PE6	100	16	2024-02-13	2024-10-26
NS62	28.55861	-17.83655	1834	CUBE	PE6	100	16	2024-02-13	2024-08-19
NS63	28.55453	-17.83815	1740	CUBE	PE6	100	16	2024-02-13	2024-10-20
NS64	28.55008	-17.83937	1665	CUBE	PE6	100	16	2024-02-13	2024-10-20
NS65	28.54558	-17.83912	1631	CUBE	PE6	100	16	2024-02-15	2024-10-20
NS66	28.54115	-17.83975	1542	CUBE	PE6	100	16	2024-02-15	2024-10-20
NS67	28.53691	-17.84183	1482	CUBE	PE6	100	16	2024-02-15	2024-10-20
NS68	28.53251	-17.84209	1420	CUBE	PE6	100	16	2024-02-15	2024-10-23
NS69	28.52843	-17.83947	1257	CUBE	PE6	100	16	2024-02-15	2024-10-23
NS70	28.52460	-17.83637	1220	CUBE	PE6	100	16	2024-02-15	2024-10-23
NS71	28.52017	-17.83535	1178	CUBE	PE6	100	16	2024-02-15	2024-10-20
NS72	28.51593	-17.83853	1107	CUBE	PE6	100	16	2024-02-15	2024-10-23
NS73	28.51178	-17.83978	1032	CUBE	PE6	100	16	2024-02-05	2024-10-23
NS74	28.50748	-17.84167	964	CUBE	PE6	100	16	2024-02-05	2024-10-23
NS75	28.50326	-17.84359	863	CUBE	PE6	100	16	2024-02-05	2024-10-23
NS76	28.49966	-17.84663	803	CUBE	PE6	100	16	2024-02-05	2024-10-23
NS77	28.49577	-17.84698	772	CUBE	PE6	100	16	2024-02-15	2024-10-23
NS78	28.49079	-17.84818	673	CUBE	PE6	100	16	2024-02-15	2024-10-26
NS79	28.48275	-17.84688	597	CUBE	PE6	100	16	2024-02-15	2024-10-26
NS80	28.47793	-17.84757	412	CUBE	PE6	100	16	2024-02-05	2024-10-26
NS81	28.47332	-17.84725	361	CUBE	PE6	100	16	2024-02-05	2024-10-26
NS82	28.46857	-17.84747	256	CUBE	PE6	100	16	2024-02-05	2024-10-26
NS83	28.46418	-17.84538	170	CUBE	PE6	100	16	2024-02-05	2024-10-26
NS84	28.46010	-17.84353	93	CUBE	PE6	100	16	2024-02-05	2024-10-16
TJ01	28.62026	-17.86683	898	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ02	28.61920	-17.86801	897	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ03	28.62012	-17.86393	966	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ04	28.61899	-17.86514	931	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ05	28.61267	-17.87277	754	CUBE	PE6	200	16	2024-02-14	2024-10-19
TJ06	28.61142	-17.87445	712	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ07	28.61885	-17.86251	1016	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ08	28.61777	-17.86381	979	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ09	28.61142	-17.87130	800	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ10	28.61027	-17.87297	737	CUBE	PE6	200	16	2024-02-14	2024-08-16
TJ11	28.61914	-17.85959	1109	CUBE	PE6	200	16	2024-02-09	2024-10-22
TJ12	28.61780	-17.86105	1058	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ13	28.61655	-17.86247	1064	CUBE	PE6	200	16	2024-02-09	2024-10-27
TJ14	28.61529	-17.86379	997	CUBE	PE6	200	16	2024-02-14	2024-10-23
TJ15	28.61380	-17.86447	1021	CUBE	PE6	200	16	2024-02-14	2024-08-18
TJ16	28.61282	-17.86683	915	CUBE	PE6	200	16	2024-02-14	2024-10-23
TJ17	28.61148	-17.86843	892	CUBE	PE6	200	16	2024-02-14	2024-10-24
TJ18	28.61024	-17.86989	836	CUBE	PE6	200	16	2024-02-14	2024-10-24
TJ19	28.60893	-17.87144	777	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ20	28.60765	-17.87294	748	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ21	28.61518	-17.86092	1081	CUBE	PE6	200	16	2024-02-09	2024-10-24
TJ22	28.61387	-17.86232	1045	CUBE	PE6	200	16	2024-06-14	2024-10-24
TJ23	28.61259	-17.86379	1033	CUBE	PE6	200	16	2024-02-09	2024-10-23
TJ24	28.61125	-17.86534	1007	CUBE	PE6	200	16	2024-02-14	2024-10-23
TJ25	28.60998	-17.86677	899	CUBE	PE6	200	16	2024-02-14	2024-09-27
TJ26	28.60865	-17.86809	893	CUBE	PE6	200	16	2024-02-14	2024-10-24
TJ27	28.61400	-17.85941	1138	CUBE	PE6	200	16	2024-02-09	2024-10-25
TJ28	28.61252	-17.86087	1100	CUBE	PE6	200	16	2024-02-09	2024-10-19
TJ29	28.61131	-17.86227	1071	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ30	28.61000	-17.86378	1024	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ31	28.60866	-17.86514	965	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJ32	28.60735	-17.86663	920	CUBE	PE6	200	16	2024-02-14	2024-10-25
TJCC	28.61392	-17.86517	989	CUBE	PE6	200	16	2024-02-09	2024-02-14
TN01	28.46122	-17.84725	144	CUBE	PE6	100	16	2024-06-27	2024-10-16
TN02	28.46280	-17.85302	58	CUBE	PE6	100	16	2024-06-27	2024-10-16
TN03	28.47739	-17.86136	78	CUBE	PE6	100	16	2024-06-27	2024-10-16
TN04	28.47920	-17.85049	507	CUBE	PE6	100	16	2024-06-28	2024-10-16
TN05	28.47372	-17.85078	399	CUBE	PE6	100	16	2024-06-28	2024-10-16
TN06	28.46654	-17.85581	66	CUBE	PE6	100	16	2024-06-27	2024-10-19
TN07	28.46856	-17.84103	193	CUBE	PE6	100	16	2024-06-28	2024-10-16
TN08	28.47510	-17.84109	361	CUBE	PE6	100	16	2024-06-28	2024-10-16
TN09	28.47094	-17.85913	82	CUBE	PE6	100	16	2024-06-27	2024-10-19
TN10	28.47962	-17.85550	435	CUBE	PE6	100	16	2024-06-28	2024-10-16
EWN01	28.73322	-17.72772	27	CUBE	PE6	100	16	2024-02-08	2024-02-08
EWN02	28.73695	-17.73448	153	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN03	28.73907	-17.73912	306	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN04	28.73888	-17.74443	421	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN05	28.73868	-17.74887	473	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN06	28.73835	-17.75373	519	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN07	28.73933	-17.75943	692	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN08	28.73848	-17.76373	753	CUBE	PE6	100	16	2024-02-08	2024-06-21
EWN09	28.73592	-17.76750	806	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN10	28.73776	-17.77309	879	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN11	28.73970	-17.77812	944	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN12	28.74074	-17.78307	1051	CUBE	PE6	100	16	2024-02-06	2024-06-15
EWN13	28.74043	-17.78804	1268	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN14	28.73952	-17.79315	1316	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN15	28.73851	-17.79839	1447	CUBE	PE6	100	16	2024-02-06	2024-06-21

Continued in next page

Station	Lat	Lon	Ele (m)	Datalogger	Seismometer	SPS	Gain	Date-ini	Date-fin
EWN16	28.73936	-17.80382	1500	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN17	28.73979	-17.80804	1609	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN18	28.74045	-17.81343	1731	CUBE	PE6	100	16	2024-02-06	2024-06-22
EWN19	28.74504	-17.82139	1822	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN20	28.74475	-17.82607	1926	CUBE	PE6	100	16	2024-02-08	2024-06-18
EWN21	28.74743	-17.83056	2044	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN22	28.74778	-17.83461	2152	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN23	28.74841	-17.83979	2214	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN24	28.74935	-17.84464	2278	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN25	28.75068	-17.84970	2285	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN26	28.75408	-17.85310	2272	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN27	28.75696	-17.85646	2277	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN28	28.75907	-17.85926	2284	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN29	28.76085	-17.86379	2291	CUBE	PE6	100	16	2024-02-07	2024-06-22
EWN30	28.76014	-17.86938	2290	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN31	28.76185	-17.87409	2285	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN32	28.76120	-17.87947	2319	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN33	28.76186	-17.88434	2269	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN34	28.76094	-17.88939	2211	CUBE	PE6	100	16	2024-02-08	2024-05-02
EWN35	28.76044	-17.89441	2162	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN36	28.75841	-17.89920	2113	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN37	28.75613	-17.90359	2068	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN38	28.75266	-17.90685	2005	CUBE	PE6	100	16	2024-02-08	2024-06-22
EWN39	28.74990	-17.91126	1988	CUBE	PE6	100	16	2024-02-10	2024-06-22
EWN40	28.74907	-17.91657	1933	CUBE	PE6	100	16	2024-02-10	2024-06-22
EWN41	28.75065	-17.92147	1805	CUBE	PE6	100	16	2024-02-10	2024-06-22
EWN42	28.75104	-17.92666	1721	CUBE	PE6	100	16	2024-02-06	2024-06-22
EWN43	28.75022	-17.93122	1620	CUBE	PE6	100	16	2024-02-06	2024-06-22
EWN44	28.74637	-17.93377	1516	CUBE	PE6	100	16	2024-02-06	2024-06-22
EWN45	28.74316	-17.93798	1398	CUBE	PE6	100	16	2024-02-05	2024-06-21
EWN46	28.74372	-17.94259	1341	CUBE	PE6	100	16	2024-02-05	2024-06-21
EWN47	28.74475	-17.94716	1259	CUBE	PE6	100	16	2024-02-05	2024-06-21
EWN48	28.74408	-17.95341	1189	CUBE	PE6	100	16	2024-02-10	2024-06-21
EWN49	28.74457	-17.95710	1120	CUBE	PE6	100	16	2024-02-05	2024-06-21
EWN50	28.74336	-17.96198	1047	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN51	28.74217	-17.96678	913	CUBE	PE6	100	16	2024-02-05	2024-06-21
EWN52	28.73930	-17.97088	753	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN53	28.73937	-17.97584	680	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN54	28.73894	-17.98137	492	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWN55	28.73933	-17.98600	333	CUBE	PE6	100	16	2024-02-06	2024-06-21
EWS01	28.60389	-17.75790	49	CUBE	PE6	100	16	2024-02-11	2024-10-17
EWS02	28.60929	-17.76674	270	CUBE	PE6	100	16	2024-02-11	2024-10-24
EWS03	28.60783	-17.77287	337	CUBE	PE6	100	16	2024-02-13	2024-10-24
EWS04	28.60579	-17.77680	417	CUBE	PE6	100	16	2024-02-11	2024-03-25
EWS05	28.60669	-17.78277	544	CUBE	PE6	100	16	2024-02-11	2024-10-22
EWS06	28.60673	-17.78613	713	CUBE	PE6	100	16	2024-02-11	2024-10-22
EWS07	28.60618	-17.78956	693	CUBE	PE6	100	16	2024-02-11	2024-10-22
EWS08	28.60598	-17.79964	935	CUBE	PE6	100	16	2024-02-11	2024-10-24
EWS09	28.60779	-17.80500	1093	CUBE	PE6	100	16	2024-02-13	2024-10-15
EWS10	28.60828	-17.80969	1178	CUBE	PE6	100	16	2024-02-13	2024-10-15
EWS11	28.60860	-17.81484	1262	CUBE	PE6	100	16	2024-02-13	2024-10-22
EWS12	28.60763	-17.81986	1358	CUBE	PE6	100	16	2024-02-13	2024-10-22
EWS13	28.60841	-17.82472	1380	CUBE	PE6	100	16	2024-02-13	2024-10-21
EWS14	28.61056	-17.82954	1449	CUBE	PE6	100	16	2024-02-13	2024-09-04
EWS15	28.61024	-17.83523	1535	CUBE	PE6	100	16	2024-02-10	2024-10-18
EWS16	28.60339	-17.84894	1553	CUBE	PE6	100	16	2024-02-11	2024-10-18
EWS17	28.59988	-17.85870	1165	CUBE	PE6	100	16	2024-02-13	2024-10-18
EWS18	28.60200	-17.86338	1053	CUBE	PE6	100	16	2024-02-13	2024-10-18
EWS19	28.60280	-17.86903	813	CUBE	PE6	100	16	2024-02-13	2024-10-25
EWS20	28.60383	-17.87727	656	CUBE	PE6	100	16	2024-02-11	2024-10-25
EWS21	28.60295	-17.88152	594	CUBE	PE6	100	16	2024-02-11	2024-10-25
EWS22	28.60005	-17.89038	511	CUBE	PE6	100	16	2024-02-11	2024-10-25
EWS23	28.60095	-17.89538	457	CUBE	PE6	100	16	2024-02-11	2024-10-16
EWS24	28.60065	-17.89907	369	CUBE	PE6	100	16	2024-02-11	2024-10-16
EWS25	28.60130	-17.90282	317	CUBE	PE6	100	16	2024-02-11	2024-10-16
EWS26	28.60132	-17.90855	234	CUBE	PE6	100	16	2024-02-11	2024-10-16
EWS27	28.60160	-17.91397	178	CUBE	PE6	100	16	2024-02-11	2024-10-16
EWS28	28.60050	-17.92050	31	CUBE	PE6	100	16	2024-02-11	2024-10-16
EWS29	28.59833	-17.92537	9	CUBE	PE6	100	16	2024-02-11	2024-10-16

Table S1: List of seismic stations used in the IMAGMASEIS project. The table columns indicate the station code, latitude, longitude, elevation, type of datalogger (CUBE - Digos Datacube3, CENT - Nanometrics Centaur), type of seismometer (TC - Nanometrics Trillium Compact, PH - Nanometrics Trillium Compact Posthole, SN - Sensor Nederlands PE-6B geophone), sampling rate (SPS, in samples per second), configurable datalogger gain, and temporal span of the recorded data (Date-ini to Date-fin).

Station	Orientation ($^{\circ}$ N)	Uncertainty ($^{\circ}$)
BB01	3.33	2.06
BB02	7.88	8.34
BB03	-2.71	4.80
BB04	12.66	8.81
BB05	1.08	2.01
BB06	-16.2	7.37
BB07	16.25	8.82
BB08	-1.78	2.10
BB09	4.97	8.83
BB10	1.15	1.86
BB11	0.44	2.19
BB12	1.37	2.63
BB13	1.90	3.98
BB14	3.00	2.23
BB15	-2.83	1.83
BB16	-1.22	1.70
BB17	12.89	3.27
BB18	-1.99	1.54
BB19	-1.28	2.38
BB20	-4.49	1.90
BB21	0.98	3.01
BB22	6.91	2.57
BB23	2.27	1.72
BB24	-5.55	2.66
BB25	8.35	3.42
BB26	-2.6	2.81
BB27	1.87	2.35
BB28	1.14	6.55
BB29	5.29	2.94
BB30	-24.7	40.21
BB31	2.20	2.49
BB32	-4.41	5.65
BB33	2.75	3.49
BB34	5.61	2.32
BB35	-4.95	3.08
BB36	2.70	5.91
BB37	5.09	5.12

Table S2: Orientations of the north components of the stations of the BB network. We show the estimated orientations and associated uncertainties determined by DLOPy software (see text for explanations).